

REMARKS

This application has been carefully reviewed in light of the Office Action dated October 14, 2009. Claims 1 to 15 remain pending in the application, of which Claims 1, 5 and 9 are independent. Reconsideration and further examination are respectfully requested.

Claims 9 to 12 and 15 were rejected under 35 U.S.C. § 101. Without conceding the correctness of the rejections, the claims have been amended to recite their statutory subject matter as being a computer readable storage medium which is encoded with a control program. (See, e.g., page 20, line 16 to page 21, line 10). Reconsideration and withdrawal of the rejections are respectfully requested.

Claims 1 to 15 were rejected under 35 U.S.C. § 103(a) over U.S. Patent No. 6,310,942 (Bashoura) in view of U.S. Patent No. 6,618,165 (Sehgal). Reconsideration and withdrawal of the rejections are respectfully requested in light of the following comments.

The present claims relate to a communication apparatus capable of executing a facsimile communication, which is equipped with a communication control means connected to a network (e.g., INTERNET). By the communication control means, if an opponent station has an IP address, image data is communicated on the basis of an IP communication protocol, while whenever the opponent station does not have the IP address, a facsimile signal obtained by facsimile modulation of the image data is digitally encoded (in the communication apparatus itself), and the digitally coded signal is sent to the opponent station through a media gateway on an opponent station side. Thus, with this configuration, the communication apparatus according to the present claims does not necessarily need component parts for connecting the communication apparatus itself to a

PSTN (e.g., a modular jack plug-in, a network control unit (NCU) including relays and so on) because the image data in the facsimile modulated signal is sent via the network interface to the media gateway (which is generally operated by an ISP) to be converted and connected to the PSTN.

Referring specifically to the claims, amended independent Claim 1 is directed to a communicating apparatus for digitally encoding a speech signal by digital encoding means and sending the coded signal to an opponent station, thereby making VoIP speech communication and sending and receiving image data to/from the opponent station, comprising communication control means for, when image data is sent to the opponent station, if the opponent station has an IP address, selecting a first image communicating procedure by which the image data is not facsimile-modulated but sent and received to/from the opponent station on an IP network on the basis of a predetermined IP communication protocol by using the IP address of the opponent station obtained from a predetermined server on the basis of a telephone number of the opponent station, and whenever the opponent station does not have the IP address, selecting a second image communicating procedure by which the image data is facsimile-modulated by a predetermined facsimile modulating method, an analog facsimile signal obtained by the facsimile modulation is digitally encoded by the digital encoding means, and subsequently, the digital coded signal is sent to the opponent station through a media gateway on an opponent station side for executing analog/digital signal conversion between the IP network and a public line network.

Claims 5 and 9 are method and computer medium claims, respectively, that substantially correspond to Claim 1.

The applied art, alone or in any permissible combination, is not seen to disclose or to suggest the features of Claims 1, 5 and 9, and in particular, is not seen to disclose or to suggest at least the features of a communication apparatus having a communication control means that, whenever the opponent station does not have the IP address, selects a second image communicating procedure by which image data is facsimile-modulated by a predetermined facsimile modulating method, an analog facsimile signal obtained by the facsimile modulation is digitally encoded by a digital encoding means, and subsequently, the digital coded signal is sent to the opponent station through a media gateway on an opponent station side for executing analog/digital signal conversion between the IP network and a public line network.

Bashoura is seen to disclose a fax routing system in which, when a telephone number is dialed, fax director 3 looks up the number in a table 7 of computer 5 to see if there is a corresponding Internet address (e.g., IP address or E-mail address). If so, fax director 3 downloads the fax from local fax machine 1, converts the fax into a computer file (depending on whether an IP address or just an E-mail address are present) and sends the computer file via the Internet address. If no corresponding Internet address is found, then fax director 3 informs local fax machine 1, which then delivers the fax vial normal fax deliver on the telephone network. Thus, the system of Bashoura employs the PSTN and does not send the image data which is facsimile modulated and encoded into a digital coded signal to a media gateway on the opponent side for executing analog/digital conversion between the IP network and the public line network.

Sehgal is merely seen to teach as system for transmitting facsimiles via the internet between conventional facsimile machines. In Sehgal, and originating fax machine

102 scans an image, dials an originating end office, which then accepts the fax image, forwards it to a gateway 106 and terminates the phone call with the originating fax 102. The originating office then determines an IP address for the receiving side and forwards it to the gateway 106, whereby the gateway 106 sends the scanned image data to the terminating gateway 112. The gateway 112 forwards the received data to the terminating end office 114, which converts the scanned data to fax format, dials the terminating fax machine 116 and provides the fax data to fax machine 116. If no IP address exists for the terminating side, then the fax data received by the originating office 104 is transmitted via the PSTN to terminating office 114 to be forwarded to fax machine 116. Thus, in Sehgal, if no IP address is present, the fax data is transmitted via the PSTN and the system does not send digital encoded data from facsimile modulated data to a media gateway on the opponent side as in the present claims.

In view of the foregoing, amended independent Claims 1, 5 and 9, as well as the claims dependent therefrom, are believed to be allowable.

No other matters having been raised, the entire application is believe to be in condition for allowance and such action is respectfully requested at the Examiner's earliest convenience.

Applicants' undersigned attorney may be reached in our Costa Mesa,
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our below-listed address.

Respectfully submitted,

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